IN THE CLAIMS:

Please amend the claims as shown below.

1. (Currently Amended) A data processing apparatus for transmitting a document formed by a plurality of logical pages to a printing device, ~~and allowing the printing device to perform a printing process in set units,~~ comprising:

spooling means for spooling the plurality of logical pages for each of a plurality of sets;

~~designation means for designating a printing mode for output of a plurality of logical pages to one print sheet;~~

retrieval means for retrieving, from among the plurality of logical pages spooled in said spooling means, one logical page identical in drawing information to a first logical page ~~when said designation means designates the printing mode~~;

determination means for determining drawing information from the first logical page to a logical page just previous to the one logical page retrieved by said retrieval means to be drawing information for one of the plurality of sets;

generation means for generating a print command to be transmitted to the printing device based on the drawing information for the one set determined by said determination means; and

transmission means for transmitting the print command generated by said generation means to the printing device,

wherein said retrieval means retrieves the one logical page by discriminating a logical page corresponding to numerical factors of the plurality of logical pages.

2. (Currently Amended) The data processing apparatus according to claim 1,

~~wherein the printing mode designated by said designation means includes~~ further comprising designation means for designating a printing mode including a double-sided printing mode for printing drawing information on both sides of one print sheet, and a N-up printing mode for outputting a plurality of logical pages on a face of one print sheet, wherein said retrieval means retrieves the one logical page in response to designation of the printing mode.

3. (Previously Presented) The data processing apparatus according to claim 1,

wherein said retrieval means retrieves the one logical page based on data sizes of the one logical page and the first logical page.

4. (Previously Presented) The data processing apparatus according to claim 1,

wherein said retrieval means retrieves the one logical page by performing a sampling process on the one logical page and the first logical page.

5. (Previously Presented) The data processing apparatus according to claim 1,

wherein said retrieval means retrieves the one logical page by comparing all spool codes for the first logical page with all spool codes for the remaining logical pages.

6. (Previously Presented) The data processing apparatus according to claim 1,

wherein if the printing device cannot store the print command for the plurality of logical pages for each set, said generation means generates a print command indicating the number of the sets and a print command for printing the drawing information for the one set determined by said determination means.

7. (Previously Presented) The data processing apparatus according to claim 1,

wherein if the printing device can store the print command for the plurality of logical pages for each set, said spooling means stores drawing information for each logical page, and said transmission means transmits the print command generated by said generation means until said retrieval means retrieves the one logical page to the printing device, and thereafter if the document is determined to be a collate document based on the logical pages subsequent to the retrieved one logical page, said transmission means transmits a print command indicating the number of the sets.

8. to 18. (Cancelled)

19. (Currently Amended) A job processing method for use with a data processing apparatus which transmits to a printing device a document formed by a plurality of logical pages ~~to allow the printing device to perform a printing process in set units, including~~ the method comprising:

a spooling step of spooling the plurality of logical pages for each of a plurality of sets;

~~a designating step of designating a printing mode for output of a plurality of logical pages to one print sheet;~~

a retrieving step of retrieving, from among the plurality of logical pages spooled in said spooling step, one logical page identical in drawing information to a first logical page ~~when the printing mode is designated in said designating step~~;

a determining step of determining drawing information from the first logical page to a logical page just previous to the one logical page retrieved in said retrieving step to be drawing information for one of the plurality of sets;

a generating step of generating a print command to be transmitted to the printing device based on the drawing information for the one set determined in said determining step; and

a transmitting step of transmitting the print command generated in said generating step to the printing device,

wherein said retrieving step retrieves the one logical page by discriminating a logical page corresponding to numerical factors of the plurality of logical pages.

20. (Currently Amended) A data processing program stored on a computer-readable storage medium, the program being executed by a data processing apparatus ~~which transmits~~ so as to control the data processing apparatus to transmit to a printing device a document formed by a plurality of logical pages ~~to allow the printing device to perform a printing process in set units, including~~ the program comprising:

a spooling step of spooling the plurality of logical pages for each of a plurality of sets;

~~a designating step of designating a printing mode for output of a plurality of logical pages to one print sheet;~~

a retrieving step of retrieving, from among the plurality of logical pages spooled in said spooling step, one logical page identical in drawing information to a first logical page ~~when the printing mode is designated in said designating step~~;

a determining step of determining drawing information from the first logical page to a logical page just previous to the one logical page retrieved in said retrieving step to be drawing information for one of the plurality of sets;

a generating step of generating a print command to be transmitted to the printing device based on the drawing information for the one set determined in said determining step; and

a transmitting step of transmitting the print command generated in said generating step to the printing device.

wherein said retrieving step retrieves the one logical page by discriminating a logical page corresponding to numerical factors of the plurality of logical pages.